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A computer algorithm is provided for converting text files to circuit design databases so that a user can update the circuit design database and corresponding text file. The method comprises: compiling the hardware description in a text file to the corresponding circuit design database; compiling the comment text in the text file to a code stream according to a predetermined conversion rule; updating the circuit design database and compiling the updated circuit design database to the corresponding hardware description; and compiling the code stream to the comment text, and inserting the comment text to the hardware description corresponding to the updated circuit design database so as to generate an updated text file.

Figures

[illegible]